

Converting Colors

XYZ(15.3133, 23.6326, 7.4836)

Have a look what the booklet for
XYZ(15.3133, 23.6326, 7.4836)
contains.

XYZ(15.2342, 23.4916, 7.4728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.2342, 23.4916,
7.4728)**

Conversions

Conversions Part 1

Format	Color
Hex	579438
RGB	87, 148, 56
RGB Percent	34%, 58%, 22%
CMY	0.6588, 0.4196, 0.7804
CMYK	0.41, 0.00, 0.62, 0.42
HSL	100°, 45%, 40%
HSV	100°, 62%, 58%
XYZ	15.2342, 23.4916, 7.4728
YIQ	119.2730, -6.8240, -41.5440

Conversions

Conversions Part 2

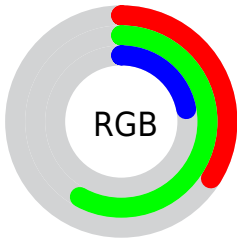
Format	Color
RYB	56, 148, 117
Decimal	5739576
CIELab	55.58, -36.91, 41.52
CIELCh	56, 55.556, 131.638
Yxy	23.4916, 0.3298, 0.5085
Android (android.graphics.Color)	4283929656 (0xFF579438)
YUV	119.2730, -31.1936, -28.3034
Hunter-Lab	48.4681, -28.7142, 24.7864

Details

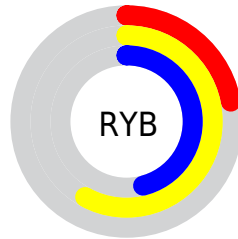
The XYZ color **15.2342, 23.4916, 7.4728** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.0968, 8.7492, 28.9641**, and the grayscale version is **17.7191, 18.6419, 20.3010**.

A 20% lighter version of the original color is **34.9943, 49.4361, 21.6077**, and **4.8704, 8.8565, 1.4528** is the 20% darker color. If you saturate the color by 10%, you get **14.0698, 22.9279, 5.8004**, and if you desaturate by 10%, it is **16.6314, 24.1644, 9.7158**.

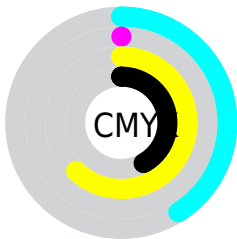
Distribution



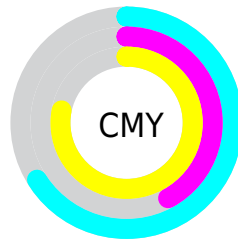
- Red (34%)
- Green (58%)
- Blue (22%)



- Red (22%)
- Yellow (58%)
- Blue (46%)



- Cyan (41%)
- Magenta (0%)
- Yellow (62%)
- Black (42%)



- Cyan (66%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2342, 23.4916, 7.4728 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 15.2342, 23.4916, 7.4728 by changing the saturation by 10% instead.

■ 15.2342, 23.4916,
7.4728

■ 15.2342, 23.4916,
7.4728

218.1398,
270.2400, 181.3138

■ 9.0713, 14.9569,
3.6766

■ 34.8318, 49.1993,
21.4471

■ 4.8452, 8.7892,
1.4497

■ 48.9972, 67.1411,
32.4623

■ 2.1905, 4.6039,
0.1800

■ 66.5609, 88.9874,
46.7208

■ 0.7377, 2.0168,
0.0000

■ 87.8881, 115.1225,
64.6414

■ 0.0000, 0.6172,
0.0000

■ 113.3442,
145.9310, 86.6424

■ 0.0000, 0.0000,
0.0000

■ 143.2947,

181.7971, 113.1424

178.1047,
223.1053, 144.5600

■ 15.2342, 23.4916,
7.4728

■ 15.2342, 23.4916,
7.4728

■ 14.0698, 22.9279,
5.8004

■ 16.6314, 24.1644,
9.7158

■ 13.1217, 22.4637,
4.6454

■ 18.2729, 24.9491,
12.5731

■ 12.3737, 22.0928,
3.9474

■ 20.1715, 25.8521,
16.0861

■ 11.8992, 21.8555,
3.5914

■ 22.3385, 26.8784,
20.2920

■ 24.7845, 28.0326,
25.2252

■ 27.5194, 29.3194,
30.9180

■ 30.5526, 30.7427,
37.4005

■ 33.8933, 32.3068,
44.7014

■ 37.5500, 34.0154,
52.8478

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.9820, 23.4916, 4.4694



15.2342, 23.4916, 7.4728



12.7250, 23.4916, 16.1663

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.2342, 23.4916, 7.4728



18.7397, 23.4916, 74.3694



36.3487, 23.4916, 19.2231

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.2342, 23.4916, 7.4728



14.0968, 8.7492, 28.9641

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.8444, 23.4916, 38.0771



15.2342, 23.4916, 7.4728



24.8509, 23.4916, 76.5261

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.2342, 23.4916, 7.4728



14.4720, 23.4916, 56.0817



31.3398, 23.4916, 61.0571



32.6106, 23.4916, 8.8065

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.2342, 23.4916, 7.4728



12.3108, 23.4916, 26.5787



31.3398, 23.4916, 61.0571



36.6861, 23.4916, 24.6034

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.2348, 23.4926, 7.4733



40.5636, 47.9668, 38.0924



19.1499, 19.0272, 6.4050



9.0125, 10.8329, 8.2033



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.2348, 23.4926, 7.4733



24.0536, 40.0770, 9.2439



13.3207, 22.4614, 9.3952



5.9028, 6.5577, 6.1951



10.1901, 18.6810, 3.0687



0.1537, 0.2436, 0.0389

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.0968, 8.7492, 28.9641



21.7951, 11.7039, 50.5449



17.9449, 10.8517, 23.7774



5.8474, 5.8123, 7.2834



8.9103, 4.0660, 24.2462



0.1405, 0.0660, 0.2982

Previews

White Background



This preview shows how the XYZ color 15.2342, 23.4916, 7.4728 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.2342, 23.4916, 7.4728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2342, 23.4916, 7.4728

Background



This preview shows how black text looks on a background with the XYZ color 15.2342, 23.4916, 7.4728.



This preview shows how white text looks on a background with the XYZ color 15.2342, 23.4916,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.2342, 23.4916, 7.4728

Protanopia

21.2201, 23.3189, 6.6314

Deuteranopia

23.6679, 23.1731, 7.9280



Tritanopia

20.2171, 23.4920, 32.3230

Trichromacy



Original Color

15.2342, 23.4916, 7.4728

Protanomaly

18.3353, 22.8696, 6.8161

Deuteranomaly

19.4941, 22.6107, 7.6118

Tritanomaly

17.7552, 23.1483, 20.0553

Monochromacy



Original Color

15.2342, 23.4916, 7.4728

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.1574, 19.9356, 14.0627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2342, 23.4916, 7.4728 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(87, 148, 56)` looks like.

```
.text, #text, p{  
    color:rgb(87, 148, 56)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(87, 148, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 148, 56) }
```

Border

The CSS property to change the border of an element to XYZ 15.2342, 23.4916, 7.4728 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 148, 56) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(87, 148, 56) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(87, 148, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 148, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 148, 56);  
box-shadow:4px 4px 4px 4px rgb(87, 148,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2342, 23.4916, 7.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 148, 56) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(87, 148,  
56) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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